

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1488.0310005APPLICATION NO.
09/333,966APPLICANT
Yu et al.FILING DATE
June 16, 1999GROUP
1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1	5,395,760	03/07/1995	Smith et al.	435	240.1	05/10/1990
	AB1	5,464,938	11/07/1995	Smith et al.	530	350	08/18/1994
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1	EP 0 585 939 A2	03/09/1994	Europe			Yes No
	AM1	WO 94/09137	04/28/1994	WIPO			Yes No
	AN1	WO 94/13808	06/23/1994	WIPO			Yes No
	AO1	WO 97/37020	10/09/1997	WIPO			Yes No
	AP1	WO 98/14565	04/09/1998	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	1	Adams, M.D. et al., "Complementary DNA Sequencing: Expressed Sequence Tags and Human Genome Project," <i>Science</i> 252:1651-1656 (1991)
	AS	1	Adams, M.D. et al., "Sequence identification of 2,375 human brain genes," <i>Nature</i> 355:632-634 (1992)
	AT	1	Aggarwal, B.B. and K. Natarajan, "Tumor necrosis factors: Developments during the last decade," <i>Eur. Cytokine Netw. J.</i> 9:93-124 (April-June 1996)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Altschul, S.F. et al., "Basic Local Alignment Search Tool," <i>J. Mol. Biol.</i> 215:403-410 (1990)
	AS	2	Ansari, A.A. et al., "HLA-D gene studies in relation to immune responsiveness to a grass allergen LoI p III," <i>Immunogenet.</i> 33:24-32 (1991)
	AT	2	Armitage, R.J., "Tumor necrosis factor receptor superfamily members and their ligands," <i>Curr. Opin. Immunol.</i> 6:407-413 (June 1994)

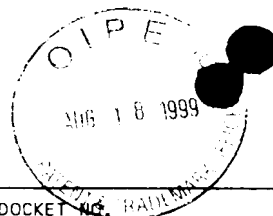
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	AR	3	Baens, M. et al., "Construction and Evaluation of a hncDNA Library of Human 12p Transcribed Sequences Derived from a Somatic Cell Hybrid," <i>Genomics</i> 16:214-218 (1993)
	AS	3	Baker, E. et al., "Chromosomal location of the human tumor necrosis factor receptor genes," <i>Cytogenet. Cell Genet.</i> 57:117-118 (1991)
	AT	3	Banchereau, J. et al., "Long-Term Human B Cell Lines Dependent on Interleukin-4 and Antibody to CD40," <i>Science</i> 251:70-72 (1991)

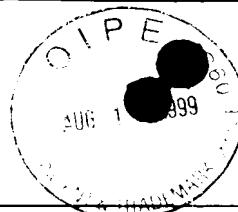
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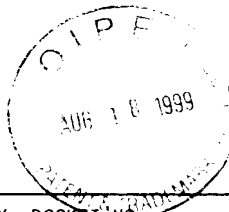
2	AR	4	Banner, D.W. <i>et al.</i> , "Crystal Structure of the Soluble Human 55 kd Receptor-Human TNF α Complex: Implications for TNF Receptor Activation," <i>Cell</i> 73:431-445 (1993)
2	AS	4	Baum, P.R. <i>et al.</i> , "Molecular characterization of murine and human OX40/OX40 ligand systems: identification of a human OX40 ligand as the HTLV-1-regulated protein gp34," <i>EMBO J.</i> 13(17):3992-4001 (September 1994)
2	AT	4	Birkeland, M.L. <i>et al.</i> , "Gene structure and chromosomal localization of the mouse homologue of rat OX40 protein," <i>Eur. J. Immunol.</i> 25:926-930 (April 1995)

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2	AR	5	Bodmer, J.-L. et al., "TRAMP, a Novel Apoptosis-Mediating Receptor with Sequence Homology to Tumor Necrosis Factor Receptor 1 and Fas(Apo-1/CD95)," <i>Immunity</i> 6:79-88 (January 1997)
2	AS	5	Camerini, D. et al., "The T Cell Activation Antigen CD27 Is a Member of the Nerve Growth Factor/Tumor Necrosis Factor Receptor Gene Family," <i>J. Immunol.</i> 147(9):3165-3169 (1991)
2	AT	5	Chinnaiyan, A.M. et al., "Signal Transduction by DR3, a Death Domain-Containing Receptor Related to TNFR-1 and CD95," <i>Science</i> 274:990-992 (November 1996)

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2	AR	6	Dürkop, H. <i>et al.</i> , "Molecular Cloning and Expression of a New Member of the Nerve Growth Factor Receptor Family That Is Characteristic for Hodgkin's Disease," <i>Cell</i> 68:421-427 (1992)
✓	AS	6	Engelmann, H. <i>et al.</i> , "Two Tumor Necrosis Factor-binding Proteins Purified from Human Urine," <i>J. Biol. Chem.</i> 265(3):1531-1536 (1990)
✓	AT	6	Feinstein, E. <i>et al.</i> , "The death domain: a module shared by proteins with diverse cellular functions," <i>TIBS</i> 20:342-344 (September 1995)

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2	AR	Z	Gillette-Ferguson, I. and C.L. Sidman, "A specific intercellular pathway of apoptotic cell death is defective in the mature peripheral T cells of autoimmune <i>lpr</i> and <i>gld</i> mice," <i>Eur. J. Immunol.</i> 24:1181-1185 (May 1994)
2	AS	Z	Goodwin, R.G. et al., "Molecular cloning of a ligand for the inducible T cell gene 4-1BB: a member of an emerging family of cytokines with homology to tumor necrosis factor," <i>Eur. J. Immunol.</i> 23:2631-2641 (1993)
2	AT	Z	Gruss, H.-J et al., "Pleiotropic Effects of the CD30 Ligand on CD30-Expressing Cells and Lymphoma Cell Lines," <i>Blood</i> 84:2045-2056 (April 1994)

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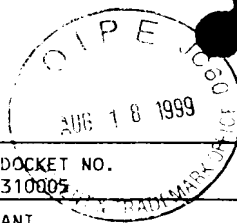
2	AR	8	Himmeler, A. <i>et al.</i> , "Molecular Cloning and Expression of Human and Rat Tumor Necrosis Factor Receptor Chain (p60) and Its Soluble Derivative, Tumor Necrosis Factor-Binding Protein," <i>DNA and Cell Biol.</i> 9(10):705-715 (1990)
2	AS	8	Hohmann, H.-P. <i>et al.</i> , "Two Different Cell Types Have Different Major Receptors for Human Tumor Necrosis Factor (TNF- α)," <i>J. Biol. Chem.</i> 264(25):14927-14934 (1989)
2	AT	8	Howard, S.T. <i>et al.</i> , "Vaccinia Virus Homologues of the Shope Fibroma Virus Inverted Terminal Repeat Proteins and a Discontinuous ORF Related to the Tumor Necrosis Factor Receptor Family," <i>Virology</i> 180:633-647 (1991)

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Tou Lin

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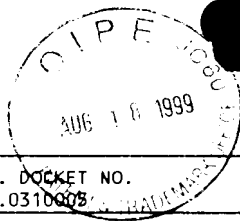
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2	AR	2	Hsu, K.C. and M.V. Chao, "Differential Expression and Ligand Binding Properties of Tumor Necrosis Factor Receptor Chimeric Mutants," <i>J. Biol. Chem.</i> 268(22):16430-16436 (1993)
✓	AS	2	Hu, F.-Q. <i>et al.</i> , "Cowpox Virus Contains Two Copies of an Early Gene Encoding a Soluble Secreted Form of the Type II TNF Receptor," <i>Viral.</i> 204:343-356 (October 1994)
✓	AT	2	Inui, S. <i>et al.</i> , "Identification of the intracytoplasmic region essential for signal transduction through a B cell activation molecule, CD40," <i>Eur. J. Immunol.</i> 20:1747-1753 (1990)

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2	AR	10	Itoh, N. et al., "The Polypeptide Encoded by the cDNA for Human Cell Surface Antigen Fas Can Mediate Apoptosis," <i>Cell</i> 66:233-243 (1991)
✓	AS	10	Johnson, D. et al., "Expression and Structure of the Human NGF Receptor," <i>Cell</i> 47:545-554 (1986)
✓	AT	10	Kitson, J. et al. "A death-domain-containing receptor that mediates apoptosis," <i>Nature</i> 384:372-375 (November 1996)

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2	AR	11	Krammer, P.H. <i>et al.</i> , "Regulation of apoptosis in the immune system," <i>Curr. Opin. Immunol.</i> 6:279-289 (April 1994)
✓	AS	11	Kwon, B.S. and S.M. Weissman, "cDNA sequences of two inducible T-cell genes," <i>Proc. Natl. Acad. Sci. USA</i> 86:1963-1967 (1989)
2	AT	11	Kwon, B.S. <i>et al.</i> , "Genomic Organization and Chromosomal Localization of the T-Cell Antigen 4-1BB," <i>J. Immunol.</i> 152:2256-2262 (March 1994)

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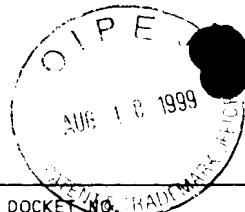
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2	AR	12	Lewis, M. <i>et al.</i> , "Cloning and expression of cDNAs for two distinct murine tumor necrosis factor receptors demonstrate one receptor is species specific," <i>Proc. Natl. Acad. Sci. USA</i> 88:2830-2834 (1991)
2	AS	12	Loetscher, H. <i>et al.</i> , "Molecular Cloning and Expression of the Human 55 kd Tumor Necrosis Factor Receptor," <i>Cell</i> 61:351-359 (1990)
2	AT	12	Mallett, S. <i>et al.</i> , "Characterization of the MRC OX40 antigen of activated CD4 positive T lymphocytes - a molecule related to nerve growth factor receptor," <i>EMBO J.</i> 9(4):1063-1068 (1990)

EXAMINER John C. L.	DATE CONSIDERED 5 16 99
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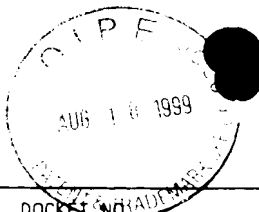
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2	AR	13	Mallett, S. and A.N. Barclay, "A new superfamily of cell surface proteins related to the nerve growth factor receptor," <i>Immunol. Today</i> 12(7):220-223 (1991)
2	AS	13	Marsters, S. <i>et al.</i> , "Apo-3, a new member of the tumor necrosis factor receptor family, contains a death domain and activates apoptosis and NF- κ B," <i>Current Biology</i> 6:1669-1676 (December 1996)
2	AT	13	Montgomery, R.I. <i>et al.</i> , "A New Member of the TNG/NGF Receptor Family Can Mediate Herpes Simplex Virus 1 Entry Into Cells," <i>Eur. Cytokine Netw.</i> 12(2):159, Abstract No. L7 (1996)

EXAMINER John C. [Signature]	DATE CONSIDERED 5-16-00
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2	AR	14	Muzio, M. <i>et al.</i> , "FLICE, A Novel FADD-Homologous ICE/CED-3-like Protease, Is Recruited to the CD95 (Fas/APO-1) Death-Inducing Signaling Complex," <i>Cell</i> 85:817-827 (June 1996)
2	AS	14	Nakagawa, T. <i>et al.</i> , "Identification of an isoform with an extremely large Cys-rich region of PC6, a Kex2-like processing endoprotease," <i>FEBS Letter</i> 327:165-171 (1993)
2	AT	14	Nophar, Y. <i>et al.</i> , "Soluble forms of tumor necrosis factor receptors (TNF-Rs). The cDNA for the type 1 TNF-R, cloned using amino acid sequence data of its soluble form, encodes both the cell surface and a soluble form of the receptor," <i>EMBO J.</i> 9(10):3269-3278 (1990)

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John Lee

DATE CONSIDERED

5-16-00

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AP						Yes No

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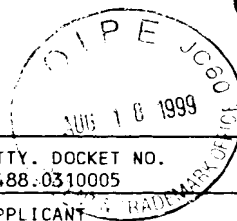
	AR	<u>15</u>	Pfeffer, K. <i>et al.</i> , "Mice Deficient for the 55 kd Tumor Necrosis Factor Receptor Are Resistant to Endotoxic Shock, yet Succumb to L. monocytogenes Infection," <i>Cell</i> 73:457-467 (1993)
	AS	<u>15</u>	Piguet, P.F. <i>et al.</i> , "Evolution of collagen arthritis in mice is arrested by treatment with anti-tumor necrosis factor (TNF) antibody or a recombinant soluble TNF receptor," <i>Immunol.</i> 77:510-514 (1992)
	AT	<u>15</u>	Pollok, K.E. <i>et al.</i> , "Inducible T Cell Antigen 4-1BB," <i>J. Immunol.</i> 150(3):771-781 (1993)

EXAMINER

John C. L.

DATE CONSIDERED 5-16-99

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

2	AR	16	Radeke, M.J. et al., "Gene transfer and molecular cloning of the rat nerve growth factor receptor," <i>Nature</i> 326:593-597 (1987)
2	AS	16	Roitt, I. et al., <i>Immunology</i> , 3rd Ed., Mosby, St. Louis, MO, pp. 4.16-4.17 (1994)
2	AT	16	Rossol-Voth, R. et al., "In vivo protective effect of tumor necrosis factor α against experimental infection with herpes simplex virus type 1," <i>J. Gen. Virol.</i> 72:143-147 (1991)

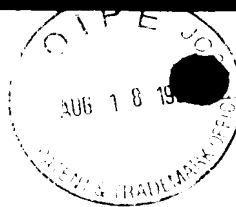
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DATE CONSIDERED

5-16-00

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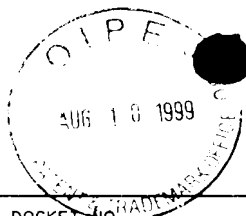
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>17</u>	Rothe, M. <i>et al.</i> , "A Novel Family of Putative Signal Transducers Associated with the Cytoplasmic Domain of the 75 kDa Tumor Necrosis Factor Receptor," <i>Cell</i> 78:681-692 (August 1994)
	AS	<u>17</u>	Schall, T.J. <i>et al.</i> , "Molecular Cloning and Expression of a Receptor for Human Tumor Necrosis Factor," <i>Cell</i> 61:361-370 (1990)
	AT	<u>17</u>	Screaton, G. <i>et al.</i> , "LARD: A new lymphoid-specific death domain containing receptor regulated by alternative pre-mRNA splicing," <i>Proc. Natl. Acad. Sci. USA</i> 94:4615-4619 (April 1997)

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DATE CONSIDERED 5-16-05

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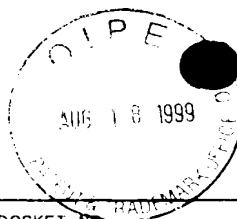
	AR	<u>18</u>	Smith, C.A. et al., "A Receptor for Tumor Necrosis Factor Defines an Unusual Family of Cellular and Viral Proteins," <i>Science</i> 248:1019-1023 (1990)
	AS	<u>18</u>	Smith, C.A. et al., "T2 Open Reading Frame from the Shope Fibroma Virus Encodes a Soluble Form of the TNF Receptor," <i>Biochem. Biophys. Res. Comm.</i> 176(1):335-342 (1991)
	AT	<u>18</u>	Smith, C.A. et al., "CD30 Antigen, a Marker for Hodgkin's Lymphoma, Is a Receptor Whose Ligand Defines an Emerging Family of Cytokines with Homology to TNF," <i>Cell</i> 73:1349-1360 (1993)

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John L. L.

DATE CONSIDERED 5-16-99

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1488.0310005	APPLICATION NO. 09/333,966
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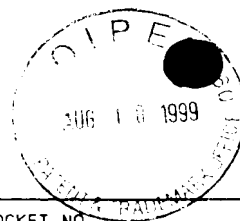
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
2	AR	19	Smith, G.L., "Vaccinia virus glycoproteins and immune evasion," <i>J. Gen. Virol.</i> 74:1725-1740 (1993)
2	AS	19	Stamenkovic, I. et al., "A B-lymphocyte activation molecule related to the nerve growth factor receptor and induced by cytokines in carcinomas," <i>EMBO J.</i> 8(5):1403-1410 (1989)
2	AT	19	Tartaglia, L.A. et al., "The two different receptors for tumor necrosis factor mediate distinct cellular responses," <i>Proc. Natl. Acad. Sci. USA</i> 88:9292-9296 (1991)

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2	AR	20 ✓	Tartaglia, L.A. and D.V. Goeddel, "Tumor Necrosis Factor Receptor Signaling," <i>J. Biol. Chem.</i> 267(7):4304-4307 (1992)
2	AS	20	Tartaglia, L.A. <i>et al.</i> , "A Novel Domain within the 55 kd TNF Receptor Signals Cell Death," <i>Cell</i> 74:845-853 (1993)
2	AT	20	Torcia, M. <i>et al.</i> , "Nerve Growth Factor Is an Autocrine Survival Factor for Memory B Lymphocytes," <i>Cell</i> 85:345-356 (1996)

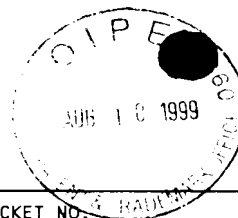
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

2	AR	21	Van Lier, R.A.W. et al., "Tissue Distribution and Biochemical and Functional Properties of Tp55 (CD27), a Novel T Cell Differentiation Antigen," <i>J. Immunol.</i> 139(5):1589-1596 (1987)
✓	AS	21	Van Ostade, X. et al., "Human tumor necrosis factor mutants with preferential binding to and activity on either the R55 or R75 receptor," <i>Eur. J. Biochem.</i> 225:771-779 (March 1994)
✓	AT	21	Vandenabeele, P. et al., "Two tumor necrosis factor receptors: structure and function," <i>Trends Cell. Biol.</i> 5:392-399 (October 1995)

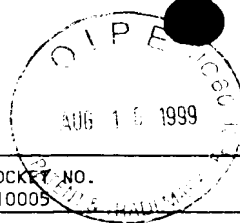
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John W.

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

2	AR	22	Database Embl-new3 on MASPAR, Acc. No. L23876, Glasgow, E. and Schechter, N., "Nucleotide sequence of a GFAP-like Intermediate Filament cDNA from Goldfish retina," submitted 01 September 1993
2	AS	22	Database EST-STS on MASPAR, (St. Louis, MO, USA), Acc. No. H14106, Hiller, L. et al., "WashU-Merck EST Project," submitted 10 July 1995
2	AT	22	Database EMBL/GenBank/DDJB on MASPAR, Genetique Moleculaire (sic) et Biologie du developpement (Villejuif Cedex, France), Acc. No. Z38433, GENEXPRESS, Direct Submission, Submitted 26 October 1994

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

22	AR	23	Database EST-STS on MASPAR, Whitehead Institute/MIT Center for Genome Research (Cambridge, MA, USA), Acc. No. G11923, Hudson, T., "Whitehead Institute/MIT Center for Genome Research; Physically Mapped STSs," submitted 23 October 1995
22	AS	23	Database EMBL-new3 on MASPAR, Acc. No. X60370, X60371, X60550, Zauner, W. et al., "Identification of Two Distinct microtubule Binding Domains on Recombinant Rat MAP 1B," submitted 21 October 1992
22	AT	23	Database EMBL-new3 on MASPAR, Acc. No. X75491, Aslanidis, C. et al., "Genomic Organization of the Human Lysosomal Acid Lipase Gene (LIPA)," Submitted 01 March 1994

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2	AR	24	Database A-Geneseq24 on MASPAP, Acc. No. R38859, Aruffo, A.A. <i>et al.</i> , "CD40CR Receptor and its' (sic) Ligands used to Inhibit B-Cell Activation in Allergy and Auto-immune Disease," submitted 07 February 1994, EP, A, 555880, 18 August 1993
2	AS	24	EST-STS Database on MASPAP, The WashU-Merck EST Project, Accession No. H46211 (July 1995)
2	AT	24	EST-STS Database on MASPAP, The WashU-Merck EST Project, Accession No. H46374 (July 1995)

EXAMINER

John C. H.

DATE CONSIDERED

5-16-99

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2	AR	25	EST-STS Database on MASPAR, The WashU-Merck EST Project, Accession No. H41851 (July 1995)
2	AS	25	EST-STS Database on MASPAR, The WashU-Merck EST Project, Accession No. H46662 (July 1995)
2	AT	25	EST-STS Database on MASPAR, The WashU-Merck EST Project, Accession No. H49675 (July 1995)

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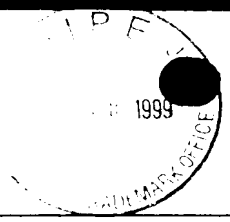
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2	AR	26	EST-STS Database on MASPAP, The WashU-Merck EST Project, Accession No. H46378 (July 1995)
~	AS	26	EST-STS Database on MASPAP, The WashU-Merck EST Project, Accession No. H46424 (July 1995)
✓	AT	26	NCBI Entrez, GenBank Report, Accession No. H19739, from Hillier, L. <i>et al.</i> (July 1995)

EXAMINER John Cui	DATE CONSIDERED 5-16-00
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	AS	<u>27</u>	NCBI Entrez, GenBank Report, Accession No. H41522, from Hillier, L. et al. (July 1995)
	AT	<u>27</u>	NCBI Entrez, GenBank Report, Accession No. N63660, from Hillier, L. et al. (March 1996)

EXAMINER JOL - UIC	DATE CONSIDERED 5-16-00
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2	AR	<u>28</u>	NCBI Entrez, GenBank Report, Accession No. N71143, from Hillier, L. et al. (March 1996)
2	AS	<u>28</u>	NCBI Entrez, GenBank Report, Accession No. N71141, from Hillier, L. et al. (March 1996)
2	AT	<u>28</u>	NCBI Entrez, GenBank Report, Accession No. W01590, from Hillier, L. et al., (April 1996)

EXAMINER JOL - UIN	DATE CONSIDERED 5-18-00
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

2	AR	29	NCBI Entrez, GenBank Report, Accession No. W01592, from Hillier, L. <i>et al.</i> (April 1996)
2	AS	29	NCBI Entrez, GenBank Report, Accession No. W71984, from Hillier, L. <i>et al.</i> (October 1996)
2	AT	29	NCBI Entrez, GenBank Report, Accession No. W76376, from Hillier, L. <i>et al.</i> (October 1996)

EXAMINER

TOL - C114

DATE CONSIDERED

5-16-63

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JUN 18 1999

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1488.0310005

APPLICATION NO.
09/333,966

APPLICANT
Yu *et al.*

FILING DATE
June 16, 1999

GROUP
1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

2	AR	30	NCBI Entrez, GenBank Report, Accession No. AA088350, from Hillier, L. <i>et al.</i> (October 1996)
2	AS	30	NCBI Entrez, GenBank Report, Accession No. AA476747, from Hillier, L. <i>et al.</i> (August 1997)
✓	AT	30	NCBI Entrez, GenBank Report, Accession No. AA476749, from Hillier, L. <i>et al.</i> (August 1997)

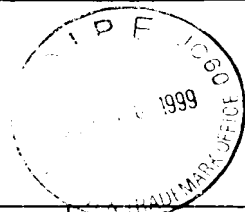
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Tol - U1

DATE CONSIDERED

5-16-00

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1488.0310005	APPLICATION NO. 09/333,956
	APPLICANT Yu et al.	
	FILING DATE June 16, 1999	GROUP 1646

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

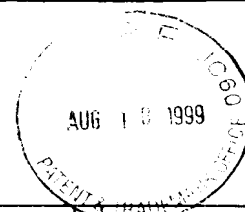
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

2	AR	31	NCBI Entrez, GenBank Report, Accession No. AA524052, from NCI-CGAP (August 1997)
2	AS	31	NCBI Entrez, GenBank Report, Accession No. AA088232, from Hillier, L. et al. (October 1996)
2	AT	31	NCBI Entrez, GenBank Report, Accession No. AA631757, from NCI-CGAP (October 1997)

EXAMINER JOL - UIN	DATE CONSIDERED 5-16-00
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1488.0310005	APPLICATION NO. 09/333,966
	APPLICANT Yu et al.	
	FILING DATE June 16, 1999	GROUP 1646

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

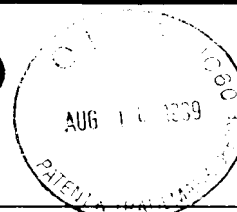
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

2	AR	32	NCBI Entrez, GenBank Report, Accession No. AA709231, from NCI-CGAP (January 1998)
2	AS	32	NCBI Entrez, GenBank Report, Accession No. CAA70561, Kitson, J. et al. (December 1996)
✓	AT	32	NCBI Entrez, GenBank Report, Accession No. AAB41432, Chaudhary, P.M. and Hood, L.E. (January 1997)

EXAMINER John C.	DATE CONSIDERED 5-16-00
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1488.0310005APPLICATION NO.
09/333,966APPLICANT
Yu *et al.*FILING DATE
June 16, 1999GROUP
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

2	AR	33	NCBI Entrez, GenBank Report, Accession No. U94503, Screation, G.R. <i>et al.</i> (May 1997)
✓	AS	33	NCBI Entrez, GenBank Report, Accession No. U94502, Screation, G.R. <i>et al.</i> (May 1997)
✓	AT	33	NCBI Entrez, GenBank Report, Accession No. Y09392, Kitson, J. <i>et al.</i> (December 1996)

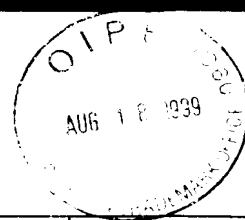
EXAMINER

Jou - Lin

DATE CONSIDERED

5-16-00

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1488.0310005	APPLICATION NO. 09/333,966
	APPLICANT Yu <i>et al.</i>	
	FILING DATE June 16, 1999	GROUP 1646

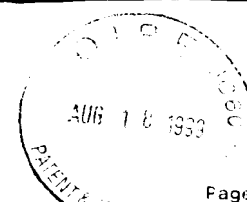
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
2	AR	34	NCBI Entrez, GenBank Report, Accession No. U94509, Screation, G.R. <i>et al.</i> (May 1997)
2	AS	34	NCBI Entrez, GenBank Report, Accession No. U94510, Screation, G.R. <i>et al.</i> (May 1997)
2	AT	34	NCBI Entrez, GenBank Report, Accession No. AAC51314, Screation, G.R. <i>et al.</i> (February 1999)

EXAMINER Tol Cll	DATE CONSIDERED 5-16-99
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1488.0310005	APPLICATION NO. 09/333,966
	APPLICANT YU <i>et al.</i>	
	FILING DATE June 16, 1999	GROUP 1646

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FOREIGN PATENT DOCUMENTS

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

2	AR	35	NCBI Entrez, GenBank Report, Accession No. AAC51192, Bodmer, J.L. <i>et al.</i> (February 1999)
✓	AS	35	NCBI Entrez, GenBank Report, Accession No. NP 003781, Marsters. S.A. <i>et al.</i> (March 1999)
	AT		

EXAMINER Jou <i>Ull</i>	DATE CONSIDERED 5-16-00
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.